

WIT 2002

Round 5

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10/12/2002

1. The language of this people has 178 words for “rain” but no word for “crisp.” Their society is exceedingly patriarchal: women are not allowed to leave home without a male escort, and often chew the food of males before consumption. Upon reaching adulthood, males auction their boyhood possessions between. Their contract with the Karemma for Tulaberry wine was among the first successful link with a gamma quadrant. For ten points, name the Star Trek race whose members include Brak, Grand Nagus Zek, Rom, and Quark.

Ferengi

2. A workaholic and celibate Quaker, he was known for collecting copious amounts of data. Yet, it was often poor, like his inaccurate and omission-plagued aurora borealis observations. He also posited the discredited theory that discoloration of the liquids within the eye caused color-blindness. His name is sometimes given to that condition, but not to Charles’s gas law, which he discovered. For ten points, name this chemist who developed an eponymous law of partial pressures and an early 19th century atomic theory.

John Dalton

3. The first movement, *Sunrise*, is dominated by an English horn and woodwinds echoing the call of native birds. The second movement, *The Painted Desert*, features a progression of odd chords in the low brass and bassoons which evoke an air of natural mystery. The third movement, the popular *On the Trail*, begins with the orchestra simulating the bray of a burro straining under the weight of a heavy load.

The reverent final movements *Sunset* and *Cloudburst* conclude, FTP, which suite by Ferde Grofé that celebrates a natural wonder found in Arizona?

Grand Canyon Suite

4. Jeff Wilkins, Jamie Duncan, Adam Timmerman, Ernie Conwell, Orlando Pace, Terrence Wilkins, Larry Bowie, J.R. Niklos, Ryan Pickett, Chris Ward, Rob Thomas, Troy Edwards, Marshall Faulk, and Kurt Warner are all – for ten points – players on what NFL team located in St. Louis?

St. Louis Rams

5. Botard the skeptic doesn't believe in them, and calls them a collective delusion. Mrs. Boef is married to one. Jean first forgets about them, and then becomes one, as does Papillion. Berenger suggests to Daisy that they repopulate the human species, rather than get used to their new neighbors. For ten points, this occurs in what absurdist play by Eugène Ionesco where almost the entire cast transforms into the titular horned animal?

Rhinoceros

6. He promoted the idea of mixed-marriages, urging the people of his native land to "assimilate, not be assimilated." He was the first leader of a modern African nation to retire voluntarily and the first to allow Peace Corps volunteers, and the first black man elected to the French Academy. However, Sartre used the phrase "anti-racist racism" to attack his concept negritude. For ten points, name this late Poet President of Senegal.

Leopold Senghor [need harder leadin?]

7. The title creature creates a bond greater than marriage because that bond is the consummation of love - the mixture of souls – without the sin of sex. While recognizing the absence of sex, the poem faults the creature for presuming to forge a bond without wooing as it "swells with one blood made of two, / and this, alas is more than we would do." Despite all the deep symbolism, the author's lover purples her nail by squashing it. For ten points, what John Donne poem concerns a blood-sucking vermin?

The Flea

8. One device of this name was an incubator used to keep a young child warm during Minnesota winters without resorting to rash-inducing heavy swaddling . A feature on it in Ladies' Home Journal prompted suspicions of child abuse passing as experimentation and urban legends of its inventor's daughter becoming insane, suicidal, or communistic. The better known device of this name features an input device that records the response of an imprisoned animal to stimuli in an operant conditioning situation. For ten points, what is this training device created by the author of Walden II?

Skinner box

9. According to legend, he was born with a blood clot in his hand, which is a symbol of strength. Forced to forage on the steppes after their father's death, he and his siblings killed his older brother to make the family's food go farther, a fact omitted in official histories of his court. He allied with the Merkits and suppressed the Tartars. At a *kuriltai* in 1206, he abandoned the name Temujin and took his new title. For ten points, name this warlord who united the Mongol tribes and ruled much of Asia until his 1227 death.

Genghis Khan (prompt on Temujin) [make more concise, awaiting jbg's reply]

10. They were once used as radio transmitters, but such use was outlawed in 1934. They were also used in early diathermy machines, but were replaced by regular transformers. They're also used in neon sign manufacture to check for leaks, but their only major use is ornamental. They are resonant air core transformers whose pulse-driven oscillations drive a resonant circuit and create very high voltages that generate lightning bolts. For ten points, what is this device exhibited by a Serbian inventor at the 1893 Chicago World's Fair?

Tesla Coil

11. He said the sun was the size of a human foot. He supposedly moved to the mountains to live off roots and berries, but when he got dropsy he covered himself with dung as a curative measure. He scorned officials and adults and famously played dice with children rather than take

part in civil affairs. Since he believed that God had the same properties as fire, what Milesian materialist, FTP, surmised that everything was composed of fire?

Heraclitus shorten biography

12. She is a girl holding a Glass in Renoir's *Le De'jeuner des canotiers* with a suicidal goldfish. She is a Good Samaritan who not only helps a blind man across the street but vividly describes every sight on the route: Eva the strip teaser, Collignon the Grocer, and his one-armed assistant Joseph. She is a masked bandit stalking a lost soul who only appears in photo booths. For ten points, name this title character in Jean-Pierre Jeunet's fourth film starring Audrey Tautou.

Amelie Poulain (from *Le destin fableux d'Amelie Poulain*)

ok

13. In 1675, , allegedly killed by Wampanoag Indians. With tensions running high,

A colonist killed a Pokanoket who had robbed his house soon after the body of a Christian Native American was found in a frozen pond at Assawompset. In revenge, an alliance of tribes raided costal towns and colonists started a fine American tradition by building internment camps for non-belligerent enemies during the war. The Plymouth Colony's forces couldn't strike at the nomadic tribes, and needed native American allies to capture the war's namesake.. For ten points, what is this 167 war named for the Wampanoag leader, Metacom?

King Phillip's War

14. This country is divided by a narrow ridge that separates salt flats in the north from sweeping dunes in the south. Its few cities are typified by Corniches, developed costal paths that divide development from beaches and the use of wind-towers to cool buildings. Such unique architectural innovations did not spread to the Arabian Peninsula, as this nation is linked to it by a strip only about 37 miles wide. For ten points, name this peninsular state with capital at Doha.

Qatar

15. AZT causes DNA chain termination during this process due to the 3' azido group replacing a 3' hydroxyl group. This process begins in the capsid, where a transfer-RNA primer begins synthesis by binding to the genome at a 3' long terminal repeat and partially unfolding to create a DNA-RNA hybrid from the primer. Then the ribonuclease H subdomain of the p66 subunit digests the original strand of RNA, making room for another DNA strand to be added to the newly formed one, creating a DNA double helix. FTP, name this process that viruses use to create DNA templates from their RNA?

Reverse Transcription

16. Its passage was a direct result of the case of Pollock V. Farmers' Loan and Trust, which held that under Article I, sections 2 and 9, certain requisitions could be made according only to populationsaying that the actions of the US congress were unconstitutional under the terms of Article I, Sec. two and nine because such a requisition could only be imposed by the rule of apportionment according to population. Until its 1913 ratification, Congress put large duties on official forms required for deeds and wills and for commodity exchanges, to make up for the lack of revenues this allowed. For 10 points, name the constitutional amendment that permitted a federal income tax.

16th Amendment

17. Like BASIC, this interpreted computer language uses dynamic semantics, which makes it valuable for teaching applications. Like Java, it has a very large standard library which makes it easy to write small progrmsa. Like Perl, it's already integrated into Apache, which aids in writing CGI scripts. Unlike Perl, its refined syntax leads to maintainable code, as each block of code is delineated by indentation. FTP, what is this language created by Guido van Rossum, whose one word name comes from a British comedy troupe, not a snake?

Python

18. Unlike Veblen goods, these goods are necessary purchases with no cheaper substitutes. At the bottom of the economic ladder, the cheapest interchangeable good will be the most widely consumed. In the most frequent example, potatoes are the cheapest foodstuffs available, and the bulk of diets will consist of potatoes, supplemented by meager

purchases of more expensive products like meat and cheese. If the price of potatoes rises, the marginal utility of money increases, and there is less money to spare for luxury foods. Thus a larger proportion of the diet will be composed of potatoes. For ten points, what is the paradoxical set of goods for which a rise in price creates an increase in demand for cheap goods?

Giffen Goods

19. Lewenhaupt was delayed in his march South, and a surprise attack at Ljensa forced him to abandon the the artillery, cattle, and supplies bound for the primary assault in Ukraine. Charles XII, seeing the grave situation, decided to capture a city to resupply his haggard army. This resulting summer 1709 battle initially went well for the Swedes, but Peter the Great's force wiped out Charles's army. For ten points, name this final major battle in the Great Northern War between Russia and Sweden.

Poltava

20. A main character carries one of the elements of the title in his pockets on the trek to Spreckel's ranch. He would be willing to raise alfalfa, though, if he could have rabbits instead. His travelling companion and Candy plan to buy their own land on which he could do so, but when Lenny smothers Curly's wife, their plans gang aft agley. For 10 points—George kills Lenny at the end of which Steinbeck novel?

Of Mice and Men

21. He registered a change of address 93 times before he died, and near the end of his life he called himself "the mad painter," and used the name Katsushika. When he was in Katsukawa studio, he recieved the name of Shunro; however, he had to leave the school when he had an argument with its head. He was then forced into poverty, and, while in the slums, he discovered the work of Dutch landscape painters that were being brought into Nagasaki. These influences explain why he is called the least Japanese Japanese painter. FTP, who is this painter of "The Great Wave" and views of Mt. Fuji?

Hokusai

22. Her first book was not published until she was seventy-seven, but created considerable controversy considering that it was only a cook-book. One recipe, Hashish Fudge, was contributed by one of her Bohemian friends, was particularly incendiary although somewhat amusing now considering her name. Picasso, Matisse, Hemmingway, and Sherwood Anderson appear prominently in her autobiography, but she didn't write it. For 10 points—name this lover of Gertrude Stein.

Alice B. Toklas

23. Alan Colman is now working in this city, and is establishing a new facility for the Australian Firm ES Cell International. Some predicted that the government's drive to become a biotech center would offer a haven for cloning research. Instead, the \$1.7 billion offered by Deputy Prime Minister Tan Yam focuses on stem cell research. For 10 points—name this tiny but authoritarian state of southeast Asia.

Singapore

24. The interaction of particles in a fifth dimension creates quarks and electrons which are now constrained to move in three dimensions. Their temperature, and thus energy, remains finite meaning that there is no need for a big bang singularity to create the universe. Yet the expanding universe background radiation we observe today could instead be caused by the collision of two membranes within the fifth dimension. For ten points, name this universe formation theory whose name co-opted a Stoic creation model whose name means "conflagration" in Greek.

Ekpyrosis

25. On Alice Cooper's "School's Out" album, these words occur in background vocals near the end of "My Stars." Kevin Sorbo, as Hercules, uses this phrase in Egypt to summon the powers from the Book of the Dead. It also names Jabba's skiff guards. It is used as the universal peace greeting in "Transformers: The Movie." These three words are the shibboleth needed to negate the demonic forces of evil in Army of Darkness. For ten points, name the phrase that prevents the Earth from being destroyed in *The Day the Earth Stood Still*.

Klaatu Barata Niktu (do not accept Necktie, which is what Bruce Campbell actually says)

1. Identify the following commanders of the French and Indian War for ten points each.

- (a) When the French threw up a series of forts along the Allegheny, what youngmajor defeated the French near Great Meadows, where he hastily threw up a stockade that he was later forced to surrender?

George Washington

- (b) This first British General to set foot in the colonies then took control of the war effort, but was routed by a French force half his size at Fort Duquesne.

Edward Braddock

- (c) What commander of Fort William Henry surrendered to a vastly superior French force only to be attacked by Native American allies of the French once his men left the fort?

George Munro

2. Given a party in the September German elections, name the head of the party at the time of the elections FTPE.

- (a) Greens **Joschka Fischer**
(b) CDU / CDP **Edmund Stoiber**
(c) SDP **Gerhard Schroeder**

[add in full party names]

3. Identify the figure on a 30-20-10-5 basis.

- (a) She was five when a Birmingham explosion killed one of her friends while worshipping in her church, an event which is said to shape her views on racism and terrorism. [make it specific, but remove the terrorism bit]
- (b) When asked of his opinion of her, Ariel Sharon said: “I have to confess, it was hard for me to concentrate on the conversation because she has very nice legs.”
- (c) A former provost of Stanford, she entered college at fifteen. Despite her name, which means “with sweetness,” she has been a

bitch about foreign policy, taking a hard stance against Russia and urging bombings to continue during Ramadan.

- (d) She is Bush's National Security Adviser.

Condoleezza “Condi” Rice

[convert to tossup]

4. Answer the following forward-thinking works by European authors.

- (a) In this work by Hesse, all scientific endeavors have stopped, and academics seek to rearrange knowledge into interesting patterns, creating a new synthesis of information but not actually creating anything new. The titular pursuit is the arrangement of these patterns.

Magister Ludi or The Glass-Bead Game (Das Glasperlenspiel)

- (b) In this book by Yevgeny Zamyatin, D-503 falls in love with a dissident and helps sabotage the One State's greatest project, the *Integral*.

We or My / MbI (Mew)

- (c) In what work does an idealistic Helena Glory visit the remote island where a new form of life has been created? The titular inventor, however, allows Helena and Domin to destroy the technique of creation, thus giving the power of creation back to man ...

Rossum's Universal Robots

5. Answer these questions about a literary work for 10 points each.

- (a) In which novel does the son of Kiritsubo grow up to become a prized member of the Emperor's court and show his seductive talents by wooing Utsusemi, Tamakazura, and even his own step-mother, Fujitsubo?

The Tale of Genji

- (b) Who wrote the Tale of Genji?

Lady **Murasaki Shikubu**

- (c) What is the name of Genji's ward whom he shows off to society to flaunt his prowess with women, his generosity, and his fortune once his son is installed as emperor?

Akikonomu

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6. 30-20-10 Identify the former world leader.

- (a) A recent autopsy revealed that this leader had Klippel-Feil syndrome, which rendered him unable to rotate his neck.
- (b) Further investigation revealed shards of bone in his head, thus suggesting that his early sudden death was not from illness, but perhaps from assassination by his Prime Minister Ay, who then rose to the throne.
- (c) This pharaoh's only major political achievement was the undoing of his father's monotheistic religious reforms.

King Tutankhamun

7. Answer the following related questions.

- (a) In what film did Anthony Hopkins play the prudish enema-loving Kellogg?

The Road to Wellville

- (b) In the show Pete and Pete on Nickelodeon, what actor best known as a campy super-hero played the principal of Wellsville High?

Adam West

- (c) Adam West is the mayor of Quahog, Rhode Island town on what Fox television show?

Family Guy

8. One of these things is not like the other. Given three characters in Shakespeare, give the following pieces of information: the odd man out, how that person died, and how the other two died. Five points per part.

- (a) Marc Antony from Antony and Cleopatra, Brutus from Julius Caesar, Aaron from Titus Andronicus

Aaron
is **buried alive**,
the others commit **suicide** by impaling themselves on their
swords.

- (b) Romeo from Romeo and Juliet, Cloten from Cymbeline, and Hastings from Richard III

Romeo
Poisons himself,
The others die by **beheading**.

9. Answer the following religious terms that sound alike.

- (a) This is the other name for Saint Erasmus, a patron saint of sailors whose name is connected to the so-called “fire” that appears on the masts of ships during stormy weather and signifies his guardianship.

St. Elmo

- (b) This is the doctrine that the state is superior to the church in ecclesiastical matters and is named after a Swiss physician and Zwinglian theologian who never held such a belief. He instead thought that there were clear divisions of power, but not clear supremacy.

Erastianism, acc Thomas Erastus

- (c) She is the muse of lyric and erotic poetry and hymns, often depicted playing a lyre.

Erato

10. Answer the following related questions.

- (a) This film was actually made by editing together several older films together: the Madmen of Mandoras, Thunder Road, and featured music stolen from the Creature from the Black Lagoon. This title body part’s only line is “Mach Schnell!”

They Saved Hitler’s Brain

- (b) Professor Hubert Farnsworth ran afoul of the academic community when he attempted to implant Hitler’s brain into what animal?

Great White Shark [Prompt on shark. Everybody's always in favor of saving Hitler's brain, but once you put it in the body of a great white shark, ohhh, suddenly you've gone too far!]

- (c) Steven Spielberg wanted what actor of Suddenly, Asphalt Jungle, and Dr. Strangelove to play the role of Quint in Jaws, but couldn't because of the actor's trouble with the IRS?

Sterling Hayden

11. Given an application of a gas law, give the most specific gas law being described, i.e. not "the ideal gas law" three times.

- (a) The density of the air within a hot-air balloon is made lower because the volume of the air increases because of the flame.

Charles's Law

- (b) A bigger balloon is easier to squeeze than smaller ones.

Boyle's Law

- (c) A mole of Oxygen occupies 22.4 L.

Avogadro's Law

12. Given a Hemmingway work, identify the city or island in which it is primarily set.

- (a) Across the River and Into the Trees

Venice

- (b) A Moveable Feast

Paris

- (c) To Have and Have Not

Key West

13. Answer the following questions about the wars and struggles of Frederick the Great.

- (a) His first ambition was obtain what territory from the faltering Habsburg Austria fighting against France and Bavaria? **Silesia**

- (b) The death of what bitterly anti-German Tsarina allowed Frederick to gain a stable footing in the Seven Year's War against France and Austria, thus saving the future of Prussia?

Elizabeth I

- (c) In what work did Frederick outline his political philosophy that kings should rule personally and not depend on the advice of advisors, thus sucking the soul from the state.

Anti-Machiavel / Anti-Machivelli

14. You'll come for the election scandals, but you'll stay because you've been mauled by a gator. Answer the following questions about movies that end in Florida.

- (a) Rizzo Ratso dies at the end of this movie as travel by bus to Florida after Joe Buck's attempt to become a hustler fail.

Midnight Cowboy

- (b) At the end of this film, Harry Goldfarb travels with his buddy Tyrone to make a score in The Sunshine State, but Harry is arrested after trying – too late to save his needle-ridden arm – to get medical attention.

Requiem for a Dream

- (c) This [year!]adaptation of a classic Victorian novel returns Finn to his Florida home as he learns the truth about his past and the involvement of Ms. Nora Dinsmoor, who has twisted and ruined his life in New York from her mansion, Paradiso Perduto.

Great Expectations

15. Composers from works. Given a work, name the author.

- (a) Cavalleria rusticana

Pietro Mascagni

- (b) Clair de Lune

Claude Debussy

- (c) Das Liebesverbot

Richard Wagner

16. Answer the following questions about probability.

- (a) Bedford's law states that given a set of numbers that apply to non-dimensionless numbers under some physical law or maximum value convention, what number will appear with the greatest frequency?

1

- (b) Which law states that frequency varies inversely with rank for things like populations of cities or word frequency, i.e. a few occur very often while many others occur rarely.

Zipf's Law

- (c) The frequency of a word thus follows what best of all possible distributions, given by a times b to the a divided by x to the a plus 1, where a and b are parameters of the distribution?

Pareto Distribution

17. Because of the bubble economy bursting, many flamboyant CEOs of European Media companies have been replaced by duller CEOs. Name the company involved for ten points for the new CEO, five for the former.

- (a) Gunter Thielen
Thomas Middelhoff

Bertelsmann

- (b) Rene Fourtou
Jean Marie Messier

Vivendi-Universal

- (c) Helmut Sihler
Ron Sommer

Deutsche Telekom

18. Given two cities, give the nations that a direct flight from one city to the other would pass over. Five points for each nation.

- (a) Prague to Bratislava Czech Republic and Slovak Republic
(b) Bloemfontein to Pretoria South Africa
(c) Kabul to Mumbai Afghanistan, Pakistan, India

19. Given a nation, identify the nation that knocked it out of the World Cup in 2002 for ten points each.

- (a) USA Germany

(b) Japan **Turkey**

(c) Spain **Korea**

20. Identify the Physics measurement 30-20-10.

(a) The simple form of this – one minus emissivity – is merely a reformulation of Kirchoff’s law which holds when quantities are appropriately averaged over wavelength but not necessarily at any given wavelength.

(b) The Bond form of this measurement – calculated for our planet by orbiting satellites – is a measure of solar energy balance.

(c) Give this general term for the ratio of reflected power to incident power.

Albedo

21. Given a not-so-common unit, give the quantity it measures for five points each.

(a) Twip **Distance**

(b) Galileo **Acceleration**

(c) Barn **Area**

(d) Mho **Conductance**

(e) Jiffy **Time**

(f) noggin **liquid volume**

22. Identify the following evolutionary thinkers.

(a) He was one of the first to advance the idea of evolution, positing that the universe emerged from undifferentiated ether. He believed that humans developed from lower animals, namely fish.

Anaximander

(b) He attacked Needham’s defense of spontaneous generation, and the first to develop the idea of survival of the fittest, although his ideas were discredited because he thought that animals stayed within strict lineages.

Pierre-Louis Moreau de Maupertuis

- (c) He proposed two laws in his book *Philosophie zoologique*, first that use or disuse causes structures to enlarge or shrink. His "Second Law" stated that all such changes were heritable.

Jean-Baptiste Lamarck

23. Like father, like son. Given a dynasty in the naming, give the first names of the father and offspring. Five points each.

- (a) Assad of Syria

Hafiz and Bashar

- (b) Bhutto of Pakistan

Zulfikar and Benazir

- (c) Kabila of Congo/Zaire

Laurent and Joseph

24. Name the painting.

- (a) In the center of the painting is a table with two shelves. The top shelf contains a globe of the heavens, a sextant, and a sundial. The bottom shelf contains a lute, a political globe, and a computation book.

- (b) A distorted *anamorphosic* skull is visible to viewers standing at the bottom right of the painting between the two titular figures.

- (c) These two men are Jean de Dinteville and Georges de Selves, who are on a diplomatic mission to the king of England.

The Ambassadors

25. Given a sentence, identify the mood of the sentence for ten points each.

- (a) If I were a rich man.

Subjunctive

- (b) I am the very model of a modern major general.

Indicative (acc. Declarative)

- (c) Let's go fly a kite.

Horative (prompt on imperative, which is incomplete because it is conflation of optative and imperative mood)